

JAPAN AUTOMOBILE MANUFACTURERS ASSOCIATION, INC.

# Investing in America

Annual Contributions Report 2015-2016

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## midst uncertainties about the future

of manufacturing in our country, there is one fact we can count on: Japanese automakers in the United States continue to invest in the American economy, the American workforce, and the energy-efficient and environmentally friendly

technologies that appeal to American consumers.

Alongside the recovery of the U.S. auto market When economic times are tough, our companies to pre-recession sales levels, JAMA member hunker down and look for ways to retain their workers by providing training, professional companies are setting all-time high U.S. economic impact figures across the board. Not only do our development opportunities and community members directly employ a record high 88,384 service. When economic times get better, as they workers at our manufacturing plants, R&D/Design have in recent years, Japanese automakers invest Centers, Headquarters and other U.S. facilities, even more in the current and future American but if you include Japanese automakers' workforce by supporting STEM training initiatives dealership network, supplier, and spin-off jobs, at public schools and universities, which are a we support nearly 1.5 million jobs nationwide crucial factor in meeting the needs of high-tech, another all-time high (see pages 5 and 6). modern manufacturing in America. Japanese automakers will continue to invest in the future Each time I ask someone the question, "what of this country by providing high-quality jobs percentage of Japanese autos sold in the U.S. throughout the United States.

Each time I ask someone the question, "what percentage of Japanese autos sold in the U.S. are made in North America?," I am delighted to find that increasingly, Americans are aware that the percentage is well over half. In fact, at 74%, it's nearly three quarters! More often these days, people are not surprised by this figure. That's because people now know that Japanese automakers employ Americans to build American cars with American parts in the United States. Americans are car lovers. And American consumers know quality when they see it. Combine those two factors and you can understand why Japanesebrand auto production in the United States has climbed from about 2.3 million units in 1995 to over 3.8 million in 2014.

This translates directly to jobs. Last year, more Americans were engaged in each phase of American-made Japanese-brand auto R&D, production, marketing, and sales than ever before. From the folks who design, develop and test vehicles in our 34 state-of-the-art R&D, Design and Test Centers, to the plant employees,

# JAMA INVESTING IN AMERICA

who are increasingly well-trained in the hightech field of automotive manufacturing, to the auto parts suppliers, whose jobs depend on the ongoing manufacturing of vehicles, engines and parts in our 26 plants, these Americans are happy to have the economic opportunities made possible through jobs tied to our members' U.S. production. I know because I've spoken to many of them myself.

The awareness that Japanese automakers are dedicated to investing in America is strong and growing stronger. And if folks don't know aboutour members' other contributions to this country and hundreds of communities across

America, this report illustrates that with just a few examples of the many social contributions our members make here (see pages 11 and 12). To understand more of our story, I invite you to read on!



Ron Bookbinder

Ron Bookbinder General Director, JAMA USA

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# **INVESTING IN AMERICAN ECONOMIC GROWTH**





**INVESTING IN AMERICA** 

# **INVESTING IN AMERICAN JOBS & THE U.S. ECONOMY**



351,000

686,000

1,491,974

MPLOYMENT		AUTOMAKERS	NEW VEHICLE DEALERS
Note: Supplier and spin-off	Manufacturing	61,078	
employment are estimates	R&D/Design	4,998	
	Headquarters, Sales & Others	22,308	
	Subtotal (Direct Employees)	88,384	366,590
	Suppliers	232,000	119,000
	Spin-Off Jobs	411,000	275,000
	GRAND TOTAL	731,384	760,590



Source: Japanese Automakers/Prof. Thomas Prusa, Rutgers University



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# **INVESTING IN U.S. EXPORTS**



## HONDA -

Accord Coupe | Accord Sedan | Civic Hybrid Civic Sedan | Crosstour | CR-V | Odyssey Pilot | Ridgeline Acura (ILX, MDX, RDX, TLX)



## MITSUBISHI ←

Outlander Sport



## NISSAN -

Altima | Altima Hybrid | Armada | Frontier Infiniti QX60 | LEAF | Maxima | NV Pathfinder | Rogue | Sentra | Titan | Xterra



SUBARU -Legacy | Outback





TOYOTA Avalon | Camry | Corolla | Highlander Sequoia | Sienna | Tacoma | Tundra | Venza



# **INVESTING IN ENVIRONMENTALLY FRIENDLY & ENERGY-EFFICIENT TECHNOLOGIES**

## FUEL-EFFICIENT

The Mazda CX-3, which incorporates Mazda's SKYACTIV Technology, featuring a high compression ratio gasoline engine, superefficient manual and automatic transmissions, and lightweight chassis and body components, is highly fuel efficient.

## HYBRID

Whether it is the Subaru XV Crosstrek, which merges AWD and drivability with a highly efficient hybrid system, the ergonomically-advanced Hino Diesel Electric Hybrid truck or, the new more efficient 2016 Prius, Japanese automakers are pushing the boundaries of hybrid technology to offer better range and performance.

## 

Several Japanese automakers have worked hard to bring customers advanced fuel efficiency with battery electric vehicles. Nissan first introduced the zero-emission LEAF in 2010. The new 2016 model boasts an EPA-estimated 110 mile range powered by its new 30kWh battery. The Mitsubishi i-MiEV, first introduced in 2011, has an impressive range and unique styling.









## **INVESTING IN AMERICA**

## H<sub>2</sub> HYDROGEN

Hydrogen fuel cells are another breakthrough technology pioneered by our members. With the Toyota Mirai which was released in late 2015 and the Honda CLARITY FUEL CELL due out in 2016, a growing number of Americans will soon be able to harness the power of Hydrogen in a safe and highly efficient manner with water as the only emission.

# **INVESTING IN COMMUNITIES ACROSS AMERICA**

Each year Japanese automakers and their employees donate time, energy and money for the betterment of communities across America

# **HINO**

One way Hino works to protect the global environment is through their periodic clean-up activities. Pictured are members of the Hino team cleaning up a road side near their Marion, Arkansas parts manufacturing plant.





# HONDA

Honda Manufacturing of Alabama, LLC (HMA) employees recently completed another successful "Volunteer Summer." Employees volunteered at the certified non-profit of their choice, building homes for the disadvantaged or helping out local Boys and Girls Clubs, among other activities. HMA then also donates funds to the chosen organization.







The Mazda Drive for Good winter event, from November 21, 2014 through January 2, 2015, was in its second year of fundraising and donated \$150 per new Mazda sold or leased to various charities. In addition, Mazda employees and dealers across the nation also will donate more than 66,000 charitable service hours in 2015 through various local charitable service opportunities, with pledging one hour of charitable service for every test drive of a new Mazda.







More than 40 Mitsubishi Motors North America employees and their family and friends raised money and awareness of multiple sclerosis (MS) by participating in Walk MS 2015 on the University of California at Irvine campus.

# NISSAN

Nissan makes contributions to nonprofit organizations working in three focus areas – education, environmental stewardship and humanitarian relief – in American communities where it has an operational presence. Thousands of hours of community service have been donated in Michigan, Tennessee, Mississippi, Texas, California, and other states.

## **SUBARU**



Subaru has helped more than 3,500 youth participate in the Student Spaceflight Experiment Program, in which they used professional research processes to design and propose science experiments for possible placement on the International Space Station.

Toyota's TeenDrive365 program works to empower student drivers and parents to be better drivers through the use of a virtual-reality driving simulator that allowed them to see first-hand how distractions can impair their ability to drive safely.

# **INVESTING IN EDUCATION, TRAINING, & POSITIVE LABOR PRACTICES**

Japanese automakers demonstrate that they care deeply about their employees and the communities in which they are located by empowering their team members to learn and develop new skills. They also partner with local communities to spread positive labor practices beyond the plants.

## HONDA

In 2014, Honda unveiled EPIC (Enthusiasm, Passion, Innovation, Commitment), an Ohio-based workforce development initiative to create interest among middle school and college students in manufacturing careers and to provide educational and training opportunities in the manufacturing industry for those students and for current Honda associates.



in its Lafayette vehicle manufacturing plant.







# NISSAN

In December of 2014, Nissan announced a partnership with the state of Tennessee to train manufacturing workers for its Tennessee auto plants and its many suppliers in the region. Nissan is building a state-ofthe-art training center next to its Smyrna plant, which will provide critical opportunities for current and prospective employees to learn valuable skills in advanced manufacturing.





## ΤΟΥΟΤΑ

One of Toyota's shared values initiatives is to sustain and improve advanced manufacturing operations in the U.S. through the recruitment of globally competitive, high quality technicians. Coordinated through vocational colleges, the program allows students to work in a manufacturing environment while also obtaining classroom credit.

# **INVESTING IN RESEARCH & DEVELOPMENT**



Given the vast differences between Japanese and American vehicle markets, many of the products that JAMA members sell in the U.S. are designed and built in America. JAMA members' R&D centers are responsible for tracking consumer trends and developing products that satisfy American preferences and needs

NAME OF COMPANY	R&D, DESIGN, AND TEST CENTERS	CURRENT FUNCTIONS
Hino Motors Manufacturing U.S.A., Inc.	Farmington Hills, MI; Williamstown, WV	1,5,8
Honda R&D Americas, Inc.	Torrance, Los Angeles & Mountain View, CA; Raymond & Columbus, OH; Detroit, MI; Denver, CO	1,2,3,4,5,6,7,8
Isuzu Technical Center of America,Inc.	Plymouth, MI; Garden Grove, CA	1,2,3,5,6,7,8
Mazda North American Operations, Inc.	Irvine, CA; Wixom, MI	1,2,3,4,5,6,7
Mitsubishi Motors R&D of America, Inc.	Ann Arbor, MI; Cypress, CA; Washington, DC	1,2,3,8
 Nissan Technical Center North America, Inc e-Powertrain Technical Affairs and Testing Center	West Sacramento, CA	1,3,8
Nissan Technical Center North America, Inc.	Farmington Hills, MI	1,2,3,5,6,7
Nissan Research Center Silicon Valley	Sunnyvale, CA	8
 Nissan Design America, Inc.	San Diego, CA	4
 Nissan Technical Center North America, Inc., Arizona Test Center	Stanfield, AZ	3
Subaru Research and Development, Inc.	Cypress, CA; Lafayette, IN; Ann Arbor, MI	1,2,3,4,6,8
Toyota Technical Center	Ann Arbor, Livonia, Plymouth, & Saline, MI; Gardena, Sacramento & Silicon Valley, CA; Wittmann, AZ	1,2,3,4,5,6,7
 Calty Design Research, Inc. (Toyota)	Newport Beach, CA; Ann Arbor, MI	4

## **KEY TO CURRENT FUNCTIONS**

- 1. Technical support for procurement of parts for local production
- 2. Evaluation of parts
- 3. Evaluation of vehicles
- 4. Styling & general design

All data as of December 2014.



on	5. Parts design
	6. Vehicle design
	7. Prototype production
	8. Technical support & marketing research

# EMPLOYMENT, & INVESTMENT IN THE U.S. JAPANESE AUTOMAKERS' PRODUCTION,

				UNITS PRODUCED	PRODUCTION		TOTAL INVESTMENT
ONIH	Hino Motors Manufacturing	Ontario. CA	Vehicle components for	178.000	180.000	200	60
	U.S.A., Inc.		Toyota vehicles				
		Marion, AR	Differential, Rear Axle & Suspension Related Parts for Toyota vehicles	180,000	275,000	440	250
		Williamstown, WV	Class 6-7 Commercial Vehicles	9,000	10,300	220	50
HONDA	Honda of America Manufacturing, Inc.	Marysville, East Liberty & Anna, OH	Accord Coupe, Accord Sedan, Accord Hybrid , CR-V, Crosstour, Acura ILX, Acura TLX, Acura RDX	663,492	680,000	9,400	8,250
			Engines	1,042,348	1,180,000		
	Honda Transmission	Russells Point, OH	Automatic Transmissions	856,582	1,000,000	1,100	750
		-	Power Train Parts	683,245	608,000		
	Honda Manufacturing of Alabama, LLC	Lincoln, AL	Odyssey, Pilot, Acura MDX Engines	363,419 366,017	340,000 340,000	4,000	2,200
	Honda Precision Parts of Georgia, LLC	Tallapoosa, GA	Automatic Transmissions	365,375	375,000	475	275
	Honda Manufacturing of Indiana, LLC	Greensburg, IN	Civic Sedan, Civic Hybrid, Civic Natural Gas	241,993	250,000	2,150	800
ISUZU	DMAX, Ltd.	Moraine, OH (Joint Venture: GM)	Diesel Engines	108,754	200,000	562	546
MITSUBISHI	Mitsubishi Motors North America, Inc.	Normal, IL	Outlander Sport	69,161	70,000	1,268	1,797
NISSAN	Nissan North America, Inc.	Smyrna, TN	Altima, Leaf, Maxima, Pathfinder, Rogue, Infiniti QX60	648,049	640,000	8,400	6,000
		Decherd TN	Lithium-Ion Batteries Fnaines	921.141	n/a 1.650.000	1 800	1 2 2 9
		Canton, MS	Altima, Armada, Frontier, Murano, NV Passenger NV Cargo, Titan, Xterra	299,509	450,000	6,300	2,900
SUBARU	Subaru of Indiana Automotive, Inc.	Lafayette, IN	Legacy, Outback, Tribeca & Toyota Camry	286,475	310,000	3,850	1,470
τογοτα	TABC Inc.	Long Beach, CA	Sub-assemblies	4,020,000	4,600,000	300	270.7
	(TABC)		Stamping parts	11,271,000	24,000,000		
			Steering columns	178,000	210,000		
			Front arms	738,000	1,000,000		
	Toyota Motor Manufacturing Kentucky, Inc. (TMMK)	Georgetown, KY	Camry, Camry Hybrid, Avalon, Avalon Hybrid, Venza	465,711	500,000	7,530	6,100
			Engines	617,772	600,000		
	Bodine Aluminum, Inc.	St. Louis & Troy, MO	Engines brackets	5,092,048	n/a	1,335	629.2
			Cylinder heads	2,302,778	n/a		
			Cylinder blocks	1,635,010	n/a		
	Touch Motor Moularturia		Iransmission Case & Housing Endinor	193,406	п/а сто 000		
	West Virginia, Inc. (TMMWV)		Transmissions	537,989	500,000	000'1	002'1
	Toyota Motor Manufacturing Indiana, Inc. (TMMI)	Princeton, IN	Sienna, Highlander, Highlander HV, Sequoia	349,522	365,000	4,700	4,200
	Toyota Motor Manufacturing Alabama, Inc. (TMMAL)	Huntsville, AL	Engines	609,789	750,000	1,030	785.6
	Toyota Motor Manufacturing Texas, Inc. (TMMTX)	San Antonio, TX	Tundra, Tacoma	236,668	200,000	2,928	2,400
	Toyota Motor Manufacturing Mississippi, Inc. (TMMMS)	Blue Springs, MS	Corolla	189,314	160,000	2,000	953.7
		TOTAL	VEHICLES 2014	3,822,313	3,975,300	61,078	43,116
All data as of De	cember 2014.		ENGINES 2014	4,346,108	5,373,000		
	DAIHATSU	FUSO		NOH	DA	ISU	SU
	Kawasaki	$(\Sigma)$	NITSUBI	SHI MOTORS	SIN	SAN	
			Ο ΤΟΥΟΤΑ		RUCKS	<b>MAW</b>	АНА

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